

U.S. Patent Application Serial No. 10/560,037
Response dated April 6, 2009
Reply to OA of February 5, 2009

AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract as follows:

A back pressure chamber $[[12]]$ (12) provided on a back surface of an orbiting scroll $[[5]]$ (5) is divided into an inner region $[[12a]]$ (12a) and an outer region $[[12b]]$ (12b) by an annular seal $[[11]]$ (11). A diameter d of the annular seal $[[11]]$ (11) is set 0.5 times or more of a diameter D of an orbiting mirror plate $[[5a]]$ (5a). With this, plus thrust force can be applied to the orbiting scroll $[[5]]$ (5) irrespective of magnitude of a discharge pressure P_d applied to the inner region $[[12a]]$ (12a). Therefore, it is possible to push the orbiting scroll $[[5]]$ (5) against the fixed scroll $[[4]]$ (4) only by back pressure of discharge pressure. A set pressure P_m of the outer region $[[12b]]$ (12b) is reduced to a value close to a suction pressure P_s , a pressure adjusting mechanism $[[20]]$ (20) is swiftly opened after a scroll compressor is started. With this, lubricant oil is supplied from the outer region $[[12b]]$ (12b) to the suction space $[[9]]$ (9) without a time lag.